





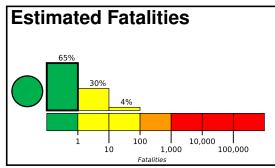
PAGER

Version 2

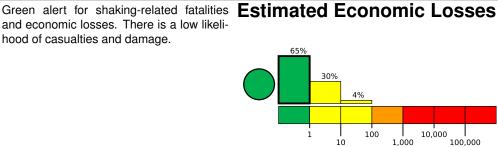
M 5.6, 122 km SE of Pangai, Tonga

Origin Time: 2023-12-23 23:44:46 UTC (Sat 11:44:46 local) Location: 20.4439° S 173.3877° W Depth: 10.0 km

Created: 2 hours, 4 minutes after earthquake



and economic losses. There is a low likelihood of casualties and damage.



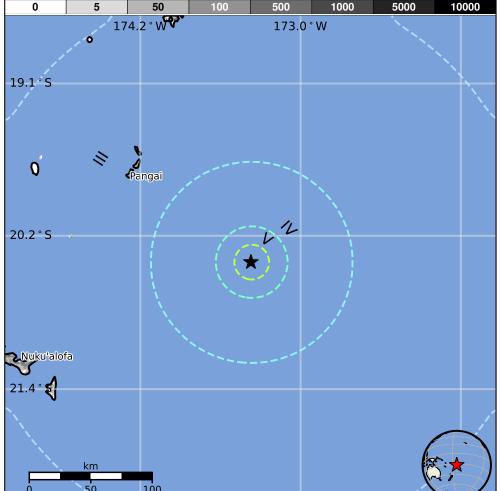
Estimated Population Exposed to Earthquake Shaking

<u> </u>										
ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	100k	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan



Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are unknown/miscellaneous types and wood construction.

Historical Earthquakes

		•			
Date	Dist.	Mag.	Max	Shaking	
(UTC)	(km)		MMI(#)	Deaths	
1977-06-22	366	8.0	VII(47k)	0	
1983-03-21	230	6.7	VII(53k)	_	
2006-05-03	81	8.0	VIII(7k)	0	

Selected City Exposure

nom deorvames.org					
MMI	City	Population			
Ш	Pangai	2k			
Ш	Nuku'alofa	22k			
Ш	'Ohonua	1k			
Ш	Vaini	3k			
Ш	Neiafu	4k			
Ш	Haveluloto	3k			

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.